

<b>Project Name/Location:</b> Columbia River Channel Improvement, RM 10+00 to 11+10, Flavel				<b>Contract Number:</b> W9127N-05-C-0012			
<b>Date:</b> 07/04/2005				John Cannon (COE) present during testing.			
<b>Dredging</b> <b>Load Number</b> Load 444 <b>Tidal Stage</b> Ebb <b>Dredge State:</b> Overflow through skimmers only <b>Weather:</b> Overcast <b>Wind:</b> 0-5 kts <b>Seas:</b> 0'-1' <b>Disposal location</b> Columbia River DWS	<b>Sample Point</b>	<b>Depth (ft)</b>	<b>Time</b>	<b>X Coordinate</b>	<b>Y Coordinate</b>	<b>Turbidity (NTU)</b>	<b>DO (Mg/L)</b>
	DR-1	19.7	8:22:06	7337746.29	938638.41	4.6	
	DR-2	19.1	8:23:50	7337121.92	939060.26	15.8	9.0
	DR-2R1	19.3	8:23:55	7337109.52	939066.87	11.8	9.0
	DR-4	19.4	8:25:40	7336457.82	939441.23	7.2	
	DR-3	19.1	8:28:16	7337793.82	939263.03	4.6	
<b>Remarks:</b>				<b>Action Taken:</b>			
Test DR-2 out of compliance, taken in the plume.				Re-test DR-2R1 was taken.			
				Dredge moved away from area where the non-compliance occurred			
				while continuing dredging.			
<b>Sample Point Key</b>	<b>All Tests Conducted With YSI 6600</b>					<b>Turbidity Compliance</b>	<b>DO Compliance</b>
DR-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required
DR-2	100' Down Current						
DR-3	300' Radially from point of dredge (Port or Starboard)						
DR-4	900' Down Current from point of dredging						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

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<b>Date:</b> 07/04/2005				John Cannon (COE) contacted at 13:05.			
<b>Dredging</b> <b>Load Number</b> Load 445 <b>Tidal Stage</b> Flood <b>Dredge State:</b> Overflow through skimmers only <b>Weather:</b> Clear <b>Wind:</b> 0-5 kts <b>Seas:</b> 0'-1' <b>Disposal location</b> Columbia River DWS	<b>Sample Point</b>	<b>Depth (ft)</b>	<b>Time</b>	<b>X Coordinate</b>	<b>Y Coordinate</b>	<b>Turbidity (NTU)</b>	<b>DO (Mg/L)</b>
	DR-1	20.3	12:34:48	7339900.67	937926.9	2.7	
	DR-4	20.5	12:38:18	7341240.38	937833.95	8.0	
	DR-2	19.3	12:41:09	7339650.94	938016.52	19.5	9.0
	DR-2R1	19.6	12:41:13	7339659.12	938010.1	18.5	8.9
	DR-3	19.4	12:43:14	7339034.97	938638.73	3.1	
<b>Remarks:</b>				<b>Action Taken:</b>			
Test DR-2 out of compliance, taken in the plume.				Re-test DR-2R1 was taken.			
Test DR-4 out of compliance, taken in the plume.				Re-test for DR-4 could not be taken due to traffic.			
				Dredge moved away from area where the non-compliance occurred			
				while continuing dredging.			
<b>Sample Point Key</b>	<b>All Tests Conducted With YSI 6600</b>					<b>Turbidity Compliance</b>	<b>DO Compliance</b>
DR-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required
DR-2	100' Down Current						
DR-3	300' Radially from point of dredge (Port or Starboard)						
DR-4	900' Down Current from point of dredging						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

<b>Project Name/Location:</b> Columbia River Channel Improvement, RM 10+00 to 11+10, Flavel				<b>Contract Number:</b> W9127N-05-C-0012			
<b>Date:</b> 07/04/2005				John Cannon (COE) contacted at 17:05.			
<b>Dredging</b> <b>Load Number</b> Load 446 <b>Tidal Stage</b> Ebb <b>Dredge State:</b> Overflow through skimmers only <b>Weather:</b> Clear <b>Wind:</b> 0-5 kts <b>Seas:</b> 0'-1' <b>Disposal location</b> Columbia River DWS	<b>Sample Point</b>	<b>Depth (ft)</b>	<b>Time</b>	<b>X Coordinate</b>	<b>Y Coordinate</b>	<b>Turbidity (NTU)</b>	<b>DO (Mg/L)</b>
	DR-1	21.3	16:31:33	7337978.70	938239.23	2.5	
	DR-2	20.8	16:33:47	7337674.23	938732.72	21.0	9.2
	DR-2R1	19.2	16:33:52	7337661.32	938727.18	21.0	9.2
	DR-4	22.5	16:36:02	7337203.96	939002.04	5.8	
	DR-3	20.5	16:39:54	7338678.16	937893.32	2.8	
<b>Remarks:</b>				<b>Action Taken:</b>			
Test DR-2 out of compliance, taken in the plume.				Re-test DR-2R1 was taken.			
				Dredge moved away from area where the non-compliance occurred			
				while continuing dredging.			
<b>Sample Point Key</b>	<b>All Tests Conducted With YSI 6600</b>					<b>Turbidity Compliance</b>	<b>DO Compliance</b>
DR-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required
DR-2	100' Down Current						
DR-3	300' Radially from point of dredge (Port or Starboard)						
DR-4	900' Down Current from point of dredging						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						

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<b>Date:</b> 07/04/2005				John Cannon (COE) contacted at 21:15			
<b>Dredging</b> <b>Load Number</b> Load 447 <b>Tidal Stage</b> Flood <b>Dredge State:</b> Overflow through skimmers only <b>Weather:</b> Cloudy <b>Wind:</b> 0-5 kts <b>Seas:</b> 0'-1' <b>Disposal location</b> Columbia River DWS	<b>Sample Point</b>	<b>Depth (ft)</b>	<b>Time</b>	<b>X Coordinate</b>	<b>Y Coordinate</b>	<b>Turbidity (NTU)</b>	<b>DO (Mg/L)</b>
	DR-1	21.5	20:43:55	7339658.74	938101.37	3.5	
	DR-2	20.6	20:52:56	7339289.77	938269.03	16.5	8.7
	DR-2R1	20.5	20:53:01	7339285.81	938275.28	29.8	9.0
	DR-4	21.0	20:54:48	7339471.65	938273.52	17.2	
	DR-4R1	20.7	20:54:53	7339471.65	938273.52	18.5	
	DR-3	20.2	20:57:44	7338771.2	938795.87	16.6	
	DR-3R1	19.9	20:57:49	7338771.45	938801.94	12.1	
<b>Remarks:</b>				<b>Action Taken:</b>			
Test DR-2 out of compliance, taken in the plume.				Re-test DR-2R1 was taken.			
Test DR-3 out of compliance, no visible plume.				Re-test DR-3R1 was taken.			
Test DR-4 out of compliance, no visible plume.				Re-test DR-4R1 was taken.			
10 minute delay between background and compliance samples, Captain on radio w/ other vessel.				Dredge moved away from area where the non-compliance occurred while continuing dredging.			
<b>Sample Point Key</b>	<b>All Tests Conducted With YSI 6600</b>					<b>Turbidity Compliance</b>	<b>DO Compliance</b>
DR-1	Background - 100' Up Current, Within 600-Foot of Channel					OR WA WA	OR, WA Not Required Not Required
DR-2	100' Down Current						
DR-3	300' Radially from point of dredge (Port or Starboard)						
DR-4	900' Down Current from point of dredging						
Rx	Indicates a Re-Test where (x) is the Re-Test number for that particular point						